

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **10092450 A**

(43) Date of publication of application: **10.04.98**

(51) Int. Cl.

**H01M 8/02**  
**H01M 8/12**

(21) Application number: **08267794**

(22) Date of filing: **17.09.96**

(71) Applicant: **CHUBU ELECTRIC POWER CO  
INC FINE CERAMICS CENTER**

(72) Inventor: **SAKAKI YOSHINORI  
HATTORI MASATOSHI  
EZAKI YOSHIMI  
OHARA SATOSHI  
FUKUI TAKEHISA  
KODERA KAZUMI**

(54) **SEALING MEMBER AND SOLID ELECTROLYTE  
TYPE FUEL CELL EQUIPPED WITH IT**

COPYRIGHT: (C)1998,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To provide the sealing members for the solid electrolyte type fuel cell, which can secure sealing performance without making use of sealing performance based on the molten state of substances at the operating temperature of a SOFC.

SOLUTION: This invention is concerned with the sealing members 20 and 22 for preventing fuel electrode gas and air electrode gas from being mixed in a space between a cell 2 and each separator 4a and 4b in the solid electrolyte type fuel cell equipped with a cell 2 where a fuel electrode 8 and an air electrode 10 are faced to each other by way of a solid electrolyte, and with separators 4a and 4b, and the sealing members 20 and 22 is made out of glass material which starts softening at the temperature lower than the operating temperature of the aforesaid solid electrolyte type fuel cell, and is crystallized at the operating temperature so as to be turned out crystallized glass in a solid phase.

